



Supplemental Information

New Jersey Board of Public Utilities

March 28, 2021



Photo credit: Siemens AG

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Section 1

Executive Summary



Photo credit: Siemens AG

1.1 Overview

NextEra Energy Transmission MidAtlantic Holdings, LLC ("NEETMA") is pleased to have the opportunity to provide additional information to refine, strengthen, and clarify the New Jersey Seawind Connector ("NJSC") proposals submitted on September 17, 2021. NEETMA evaluated the challenge of integrating offshore wind holistically by considering generator interconnection needs, offshore-onshore transmission facilities, upgrades to existing infrastructure, and a potential offshore grid. In understanding what was required for each of the transmission needs, NEETMA was able to propose a transmission solution that reduces not just the cost of the State Agreement Approach ("SAA") transmission facility, but, also the overall cost to New Jersey customers accounting for system upgrades and offshore wind interconnection requirements.

NEETMA understands that New Jersey Board of Public Utilities' ("BPU") SAA project objectives can be broken down into four categories: 1) Certainty of Project Delivery; 2) Flexibility, Modularity, and Option Value; 3) Environmental and Community Needs; and 4) Affordability and Cost Containment. The NJSC is designed with these objectives in mind, and, therefore, NEETMA is providing the following additional information to demonstrate how the NJSC meets or exceeds BPU's objectives.

[Redacted content]

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This additional information demonstrates NEETMA's commitment to ensure that the NJSC will be delivered at the lowest cost to customers while minimizing project-on-project risks, environmental, and community impacts.

NEETMA appreciates the complexities and challenges of implementing this ambitious SAA project solicitation to achieve New Jersey's goals. NEETMA is a reliable and experienced partner who has, with its affiliates, been dedicated to decarbonizing America for nearly 20 years. With NEETMA, New Jersey will find a reliable and committed partner to support the State's offshore wind energy goals.

1.2 Justification for Updated Information

The BPU's March 7, 2022 Notice ("Notice") indicated:

Applicants may (but are not required to) provide updated information that was not reasonably available at the time the initial Applications or any additional materials were submitted to PJM, if that information may have a material impact on their Application, but only under the following limited circumstances: (i) updated information regarding the progress in permitting or siting the project; (ii) updated information necessary to reflect the actual lease areas included in the BOEM NY Bight lease area auction; and (iii) updated information for which sufficient cause exists to provide in the Applicant's good faith, reasonable judgement.

NEETMA's additional information contained herein was not reasonably available at the time the initial Applications or any additional materials were submitted to PJM, as the information was recently developed based on NEETMA's continued due diligence to provide cost-effective, on time in-service proposals consistent with New Jersey's SAA objectives and needs. Sections 2.2, 2.3, 2.6, 2.7, 2.8, and 2.9 of NEETMA's additional information provide updated information regarding the progress in permitting or siting NEETMA's proposals, and, thus, fall within the first category of updated information that can be provided at this time. Also, Sections 2.1, 2.4, 2.5, 2.10, 2.11, 2.12, 2.13, and 2.14 provide updated information on how NEETMA's proposals presents certainty of project delivery; flexibility, modularity, and option value; and are affordable and provide for cost containment. Given BPU's overarching goals to use the SAA approach to reduce the impact of offshore transmission costs on customers while maintaining the projected in-service dates for offshore wind generation, there is sufficient cause to provide the additional information as it is provided in good faith to address BPU SAA's objectives and

overarching goals. Therefore, the additional information provided by NEETMA meets the Notice's threshold for submittal and consideration.





Section 2

Project Updates

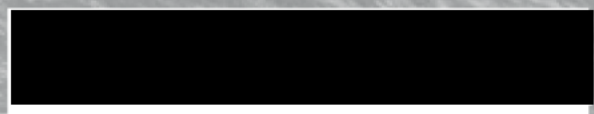


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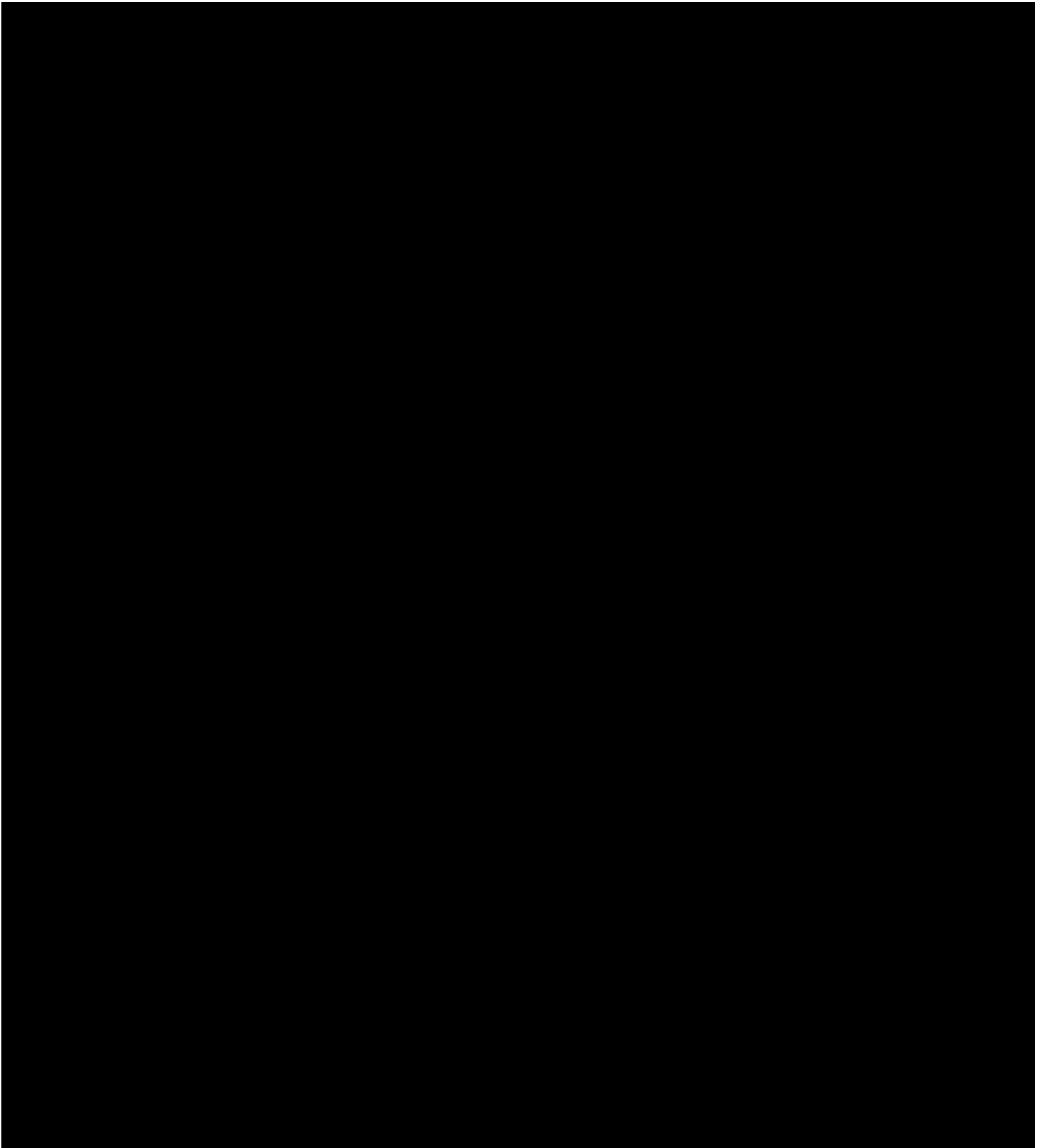
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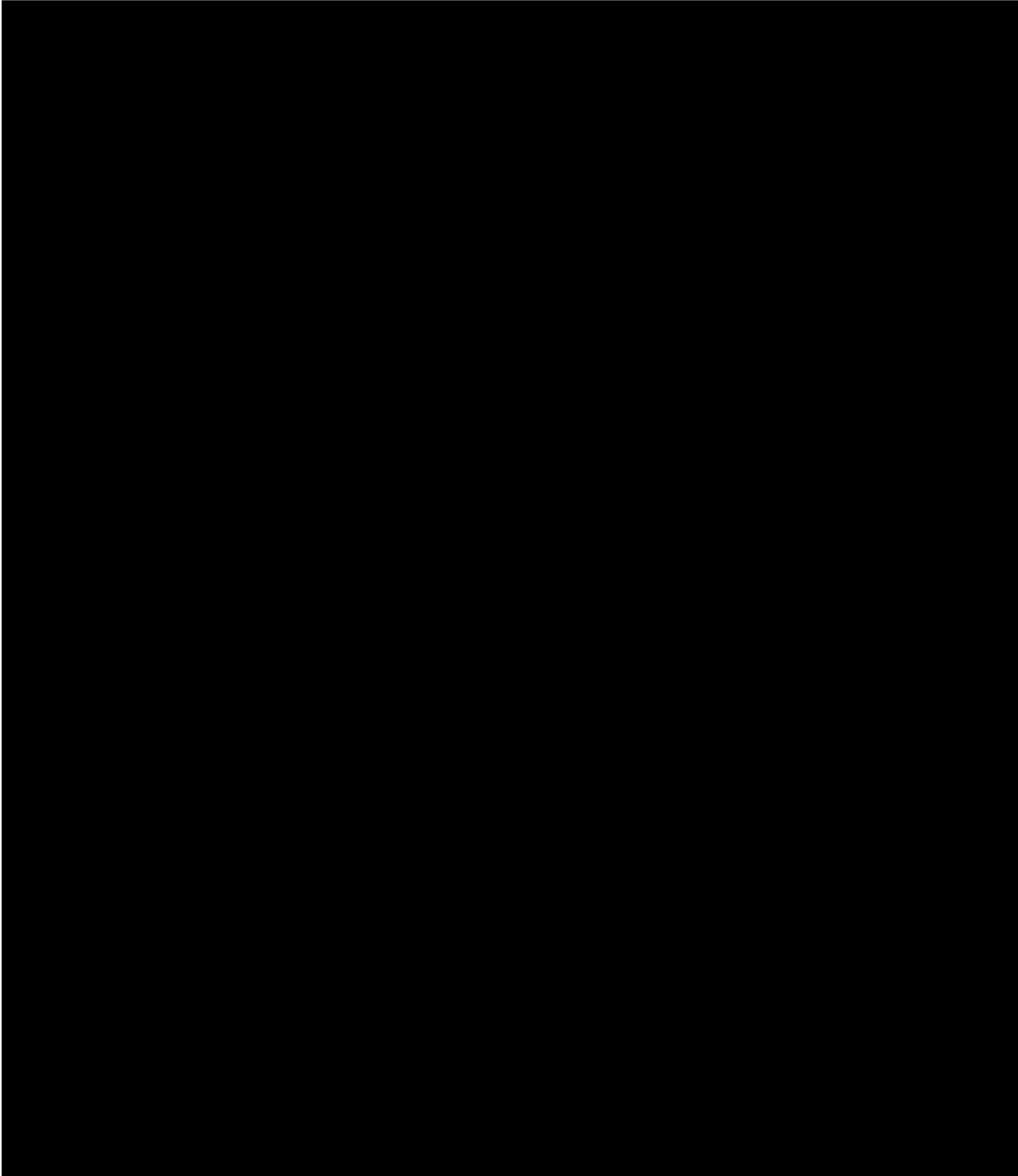
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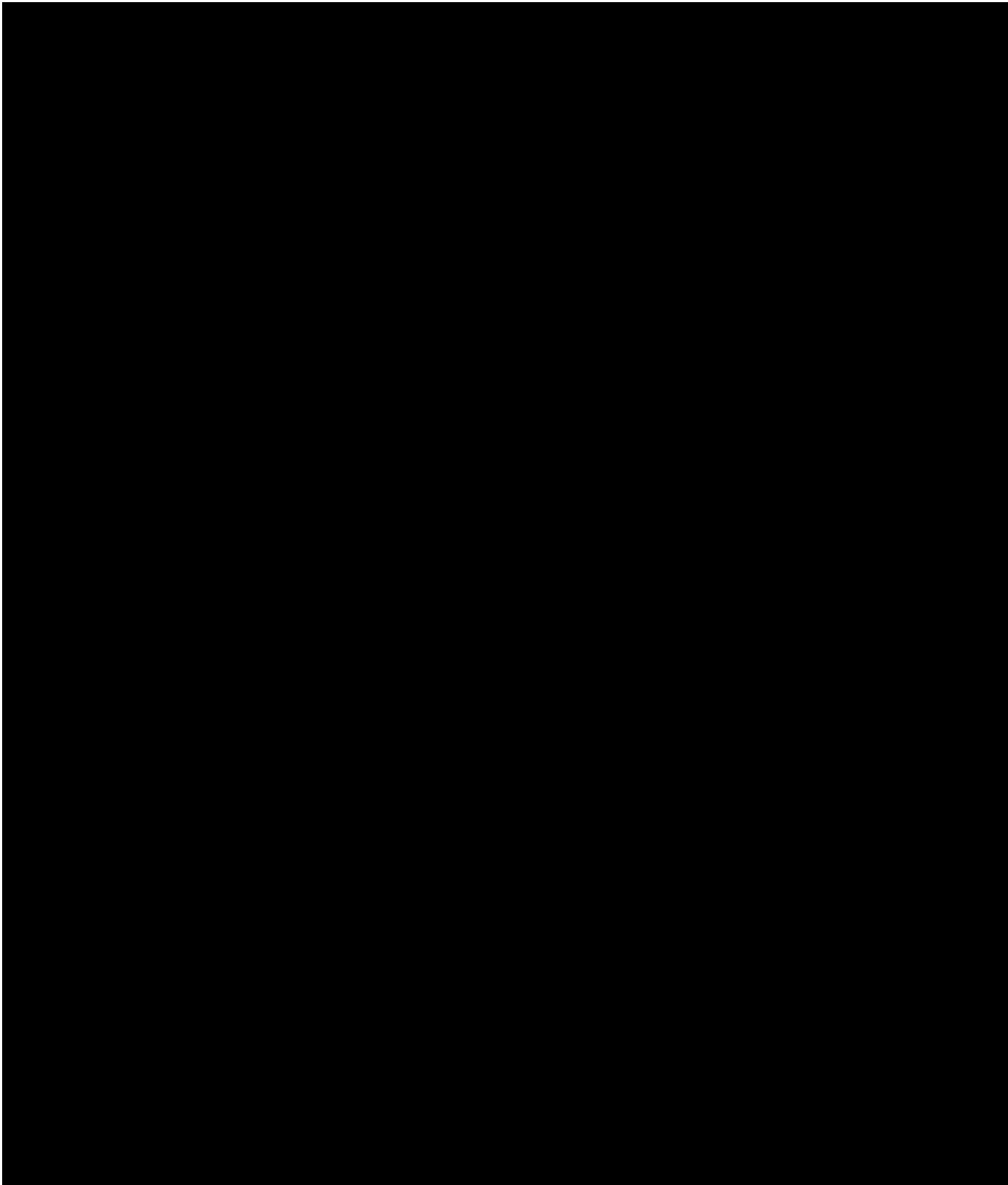
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2.5 Updated Schedules

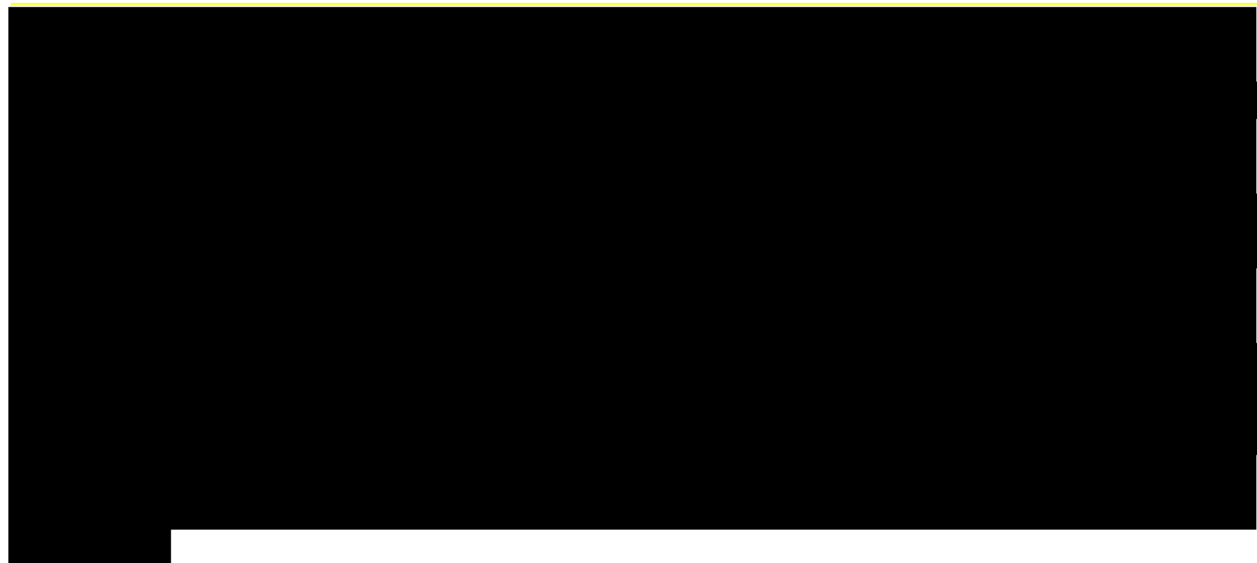
NEETMA is providing updated schedules based on new guidance provided by BPU and PJM on award dates and schedule of future offshore wind solicitations

Applicable to: Cardiff (PJM Proposal ID: 604) Oceanview (PJM Proposal IDs: 15, 27, 298) and Deans (PJM Proposal IDs: 250, 461, 860)



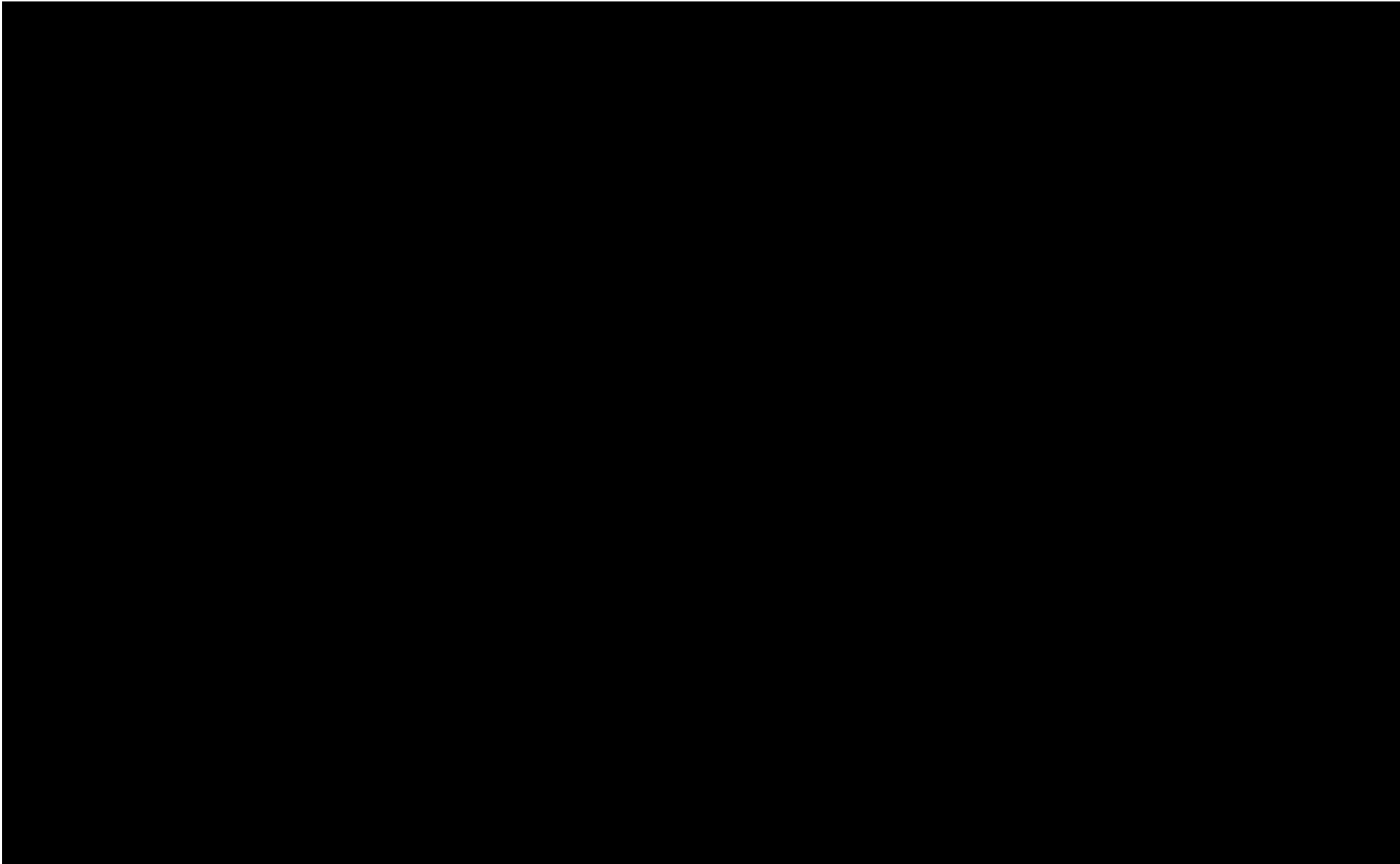
In addition, NEETMA wishes to elaborate further on future offshore wind solicitations and how it relates to NEETMA's schedule. In Attachment 1, Section 3.1 of its September 17, 2021 Application for of each of its proposals, NEETMA states:

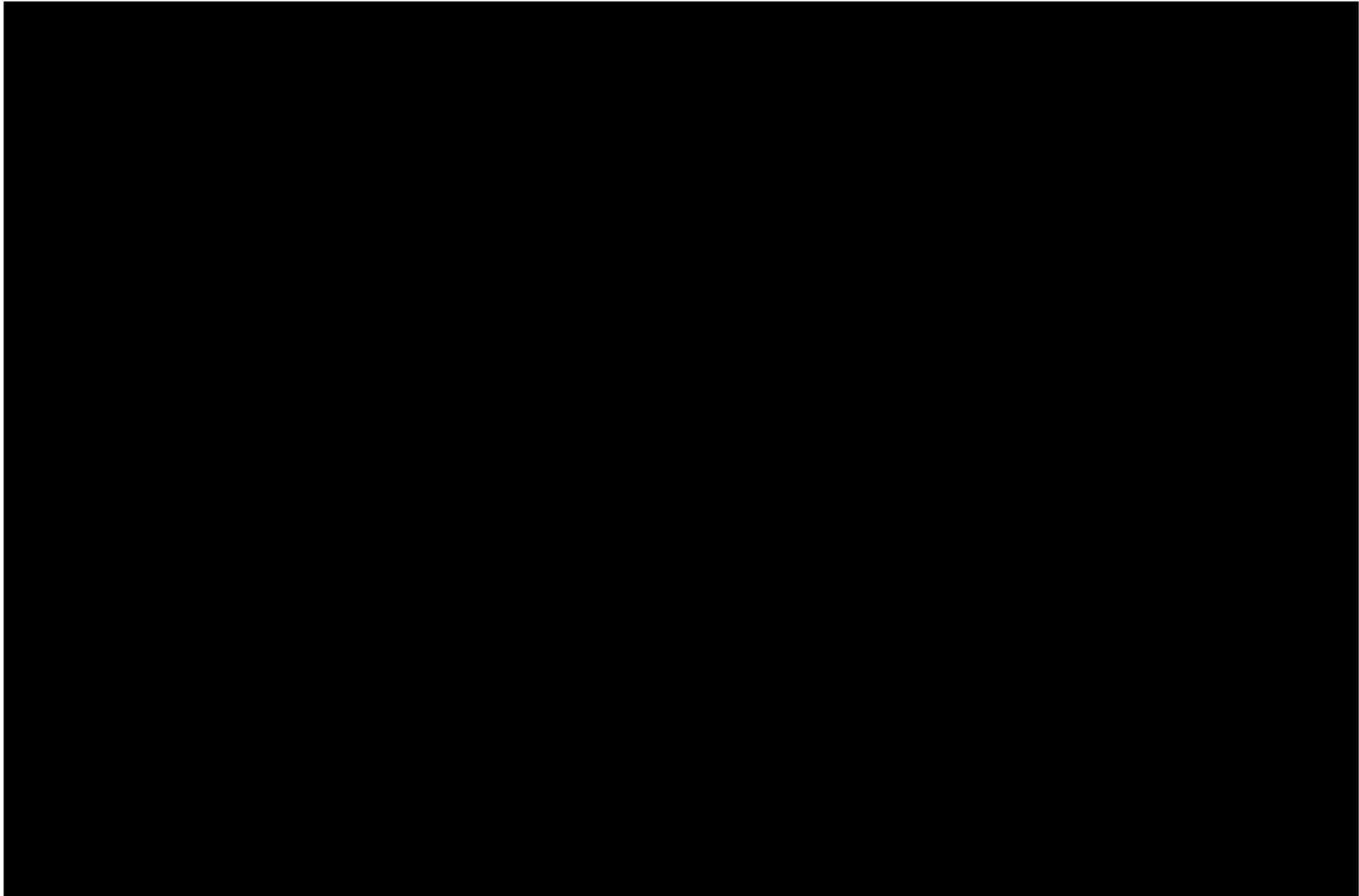
"Under our proposals, each subsequent 1500MW⁴ will be placed in-service approximately 6-8 months following completion of the previous segment...NEETMA submits that this approach maximizes construction synergies and reduces project-on-project risk...NEETMA commits to work with BPU that the proposed in-service date of each 1,500 MW HVDC symmetrical monopole system aligns with BPU's needs and will modify the proposed in-service schedule, as necessary, to align with future OSW solicitations. Additionally, if NEETMA is awarded multiple projects, NEETMA will revise its proposed schedule to match BPU's needs..."

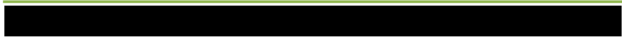
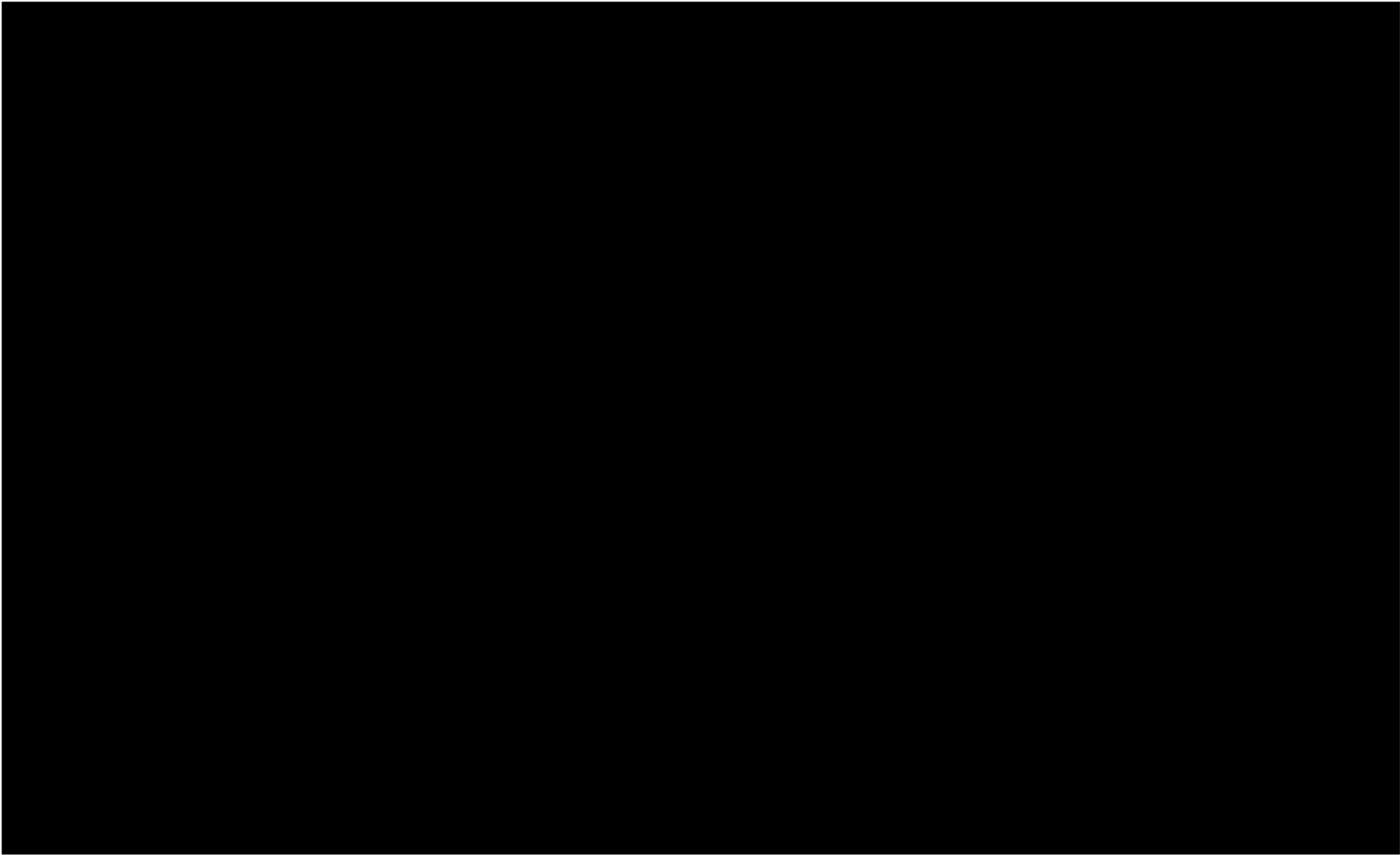


⁴ Or 1200MW depending on which Attachment 1 is being reviewed.









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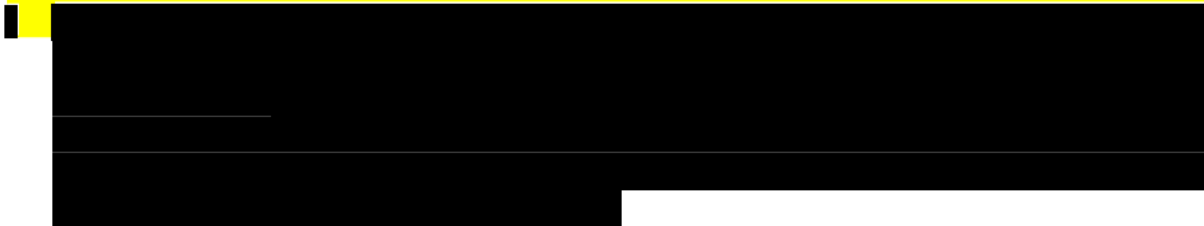
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2.7 NextEra's Cardiff 2,700 MW Proposal and Related Transmission Upgrades

NEETMA's proposed injection of 2,700 MW into Cardiff can work with several different upgrades, including PJM Proposal IDs 793, 127, and 929 – neither of which will require any expansion of the existing transmission ROW.

Applicable to: Cardiff Proposal and Cardiff Upgrade Proposal (PJM Proposal IDs: 604, 793) and ACE Upgrade Proposals (PJM Proposal IDs: 127, 929)

In order to inject 2,700 MWs of offshore wind into the Cardiff substation, an upgrade of existing 230 kV transmission corridors is required in order to reliably deliver the power. However, there are multiple upgrade proposals that would complement NEETMA's proposed injection of 2,700 MWs into Cardiff.

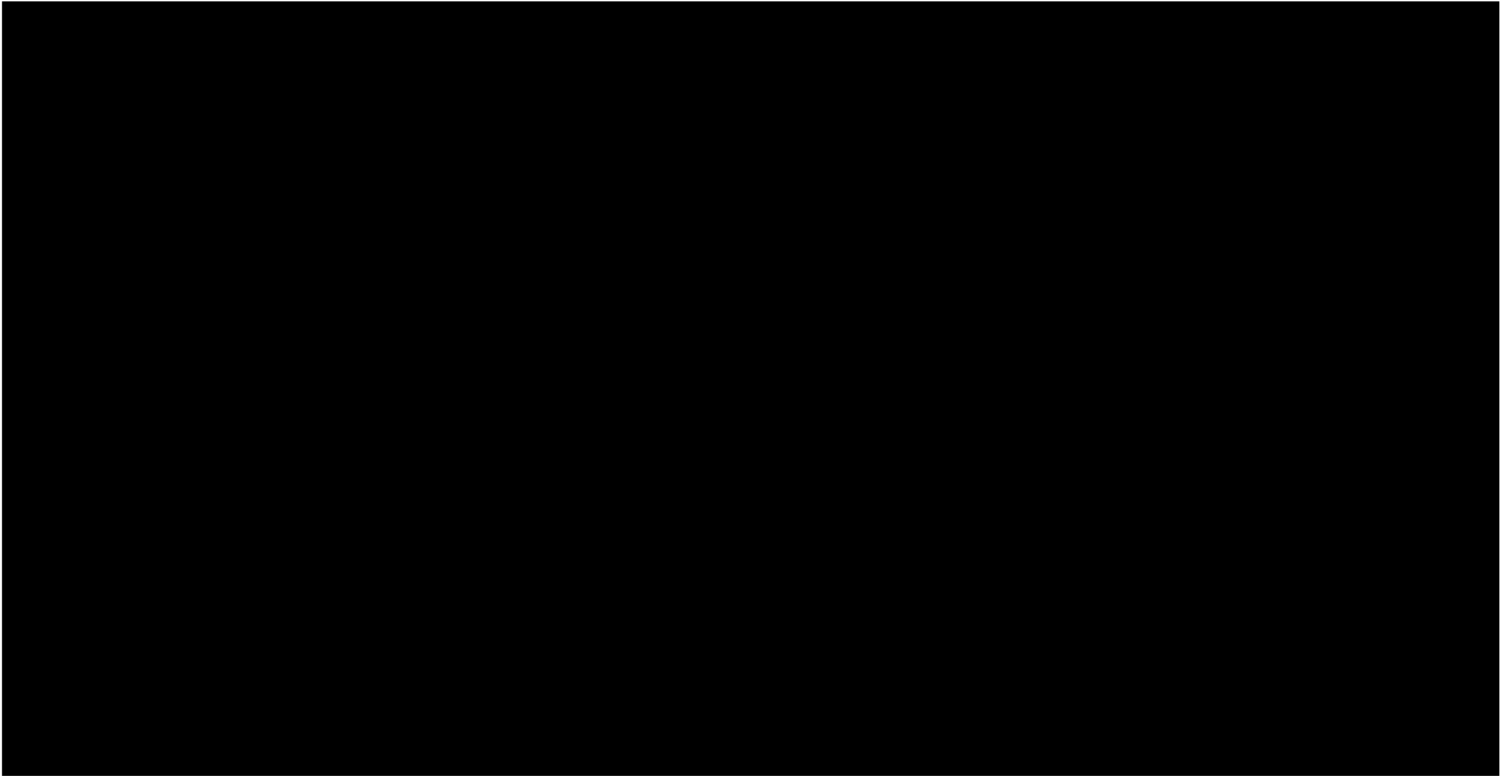


- PJM Proposals 127⁶ and 929⁷, both submitted by ACE, identifies an alternative double circuit structure design to upgrade the existing transmission corridors without expanding the existing ROW.

⁶ Attachment 1 – BPU Supplemental Document for PJM Proposal 929, page 48, “This is an Option 1a proposal anticipated to be wholly contained in an existing ACE easements and rights-of-way.”

⁷ Attachment 1 – BPU Supplemental Document for PJM Proposal 929, page 29, “The proposed project is anticipated to be wholly contained within existing rights-of-way...”

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Applicable to: Cardiff (PJM Proposal ID: 604) Oceanview (PJM Proposal IDs: 15, 27, 298) and Deans (PJM Proposal IDs: 250, 461, 860)

At the time of the September 2021 filing, BOEM had not yet finalized the wind lease areas that would be auctioned off. As a result, NEETMA sited offshore platform locations based on the information in BOEM's Proposed Sale Notice issued June 14, 2021.

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NEXtera™
ENERGY 
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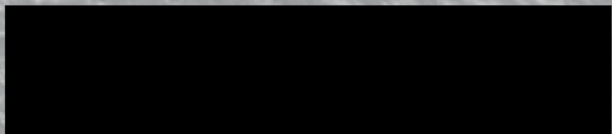
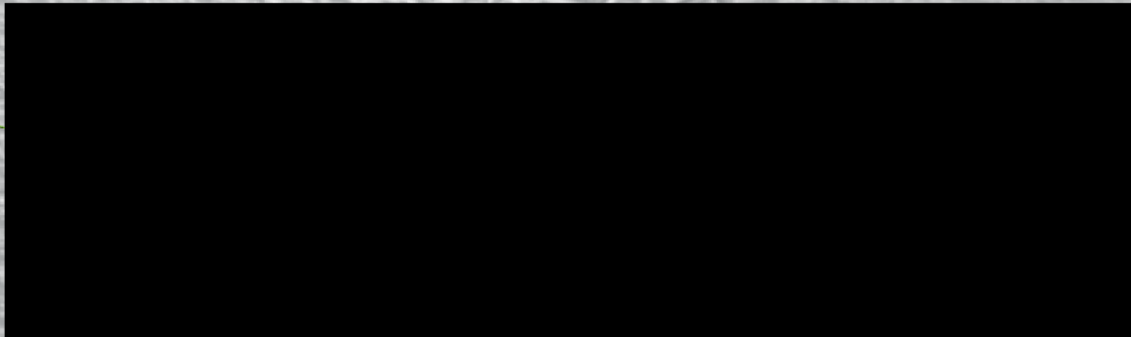


Photo credit: Siemens AG

